

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/003254

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C09D11/10 C09D11/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 994 033 A (DAVIDSON ROBERT S ET AL) 30 November 1999 (1999-11-30) cited in the application examples	1-14
X	US 4 564 580 A (ICHIMURA KUNIHIRO ET AL) 14 January 1986 (1986-01-14) claims; examples c3,c4.	1-14
X	EP 0 373 862 A (SERICOL GROUP LTD) 20 June 1990 (1990-06-20) claims 10-13; example 4	1-14
X	EP 0 555 070 A (SERICOL LTD) 11 August 1993 (1993-08-11) claims; example 6	1-14
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the International filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&amp;" document member of the same patent family

Date of the actual completion of the International search

18 October 2004

Date of mailing of the International search report

09.02.2005

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International Application No  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 554 240 A (SCHULZ GUENTHER ET AL) 19 November 1985 (1985-11-19) claims; example 2 -----	1-8, 11-14

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1 - 14

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14

An ink containing a polymer having a plurality of 1,2-  
and/or 1,3-diol groups along the polymer backbone together  
with crosslinkable pendant groups

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2. claims: 15-17

polyvinylalcohol having pendant crosslinkable groups with  
some exeptions concerning the side chain introducing  
material with or without diol groups

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5994033	A	30-11-1999	AU 2224797 A	22-09-1997
			DE 69707428 D1	22-11-2001
			DE 69707428 T2	27-06-2002
			EP 0885408 A1	23-12-1998
			ES 2166063 T3	01-04-2002
			WO 9733202 A1	12-09-1997
			JP 2000506282 T	23-05-2000
-----				
US 4564580	A	14-01-1986	JP 1619732 C	30-09-1991
			JP 2042212 B	21-09-1990
			JP 60247637 A	07-12-1985
			JP 1915652 C	23-03-1995
			JP 4019543 B	30-03-1992
			JP 60010245 A	19-01-1985
			JP 2048104 B	24-10-1990
			JP 2085637 C	23-08-1996
			JP 60010243 A	19-01-1985
			JP 1631107 C	26-12-1991
			JP 2048105 B	24-10-1990
			JP 60010244 A	19-01-1985
			DE 3476703 D1	16-03-1989
			EP 0130804 A2	09-01-1985
-----				
EP 0373862	A	20-06-1990	GB 2226564 A	04-07-1990
			EP 0373862 A1	20-06-1990
			JP 2276806 A	13-11-1990
			US 5061603 A	29-10-1991
-----				
EP 0555070	A	11-08-1993	GB 2263699 A	04-08-1993
			DE 69309733 D1	22-05-1997
			DE 69309733 T2	31-07-1997
			EP 0555070 A1	11-08-1993
			JP 3298962 B2	08-07-2002
			JP 6043645 A	18-02-1994
			US 5332651 A	26-07-1994
-----				
US 4554240	A	19-11-1985	DE 3322994 A1	10-01-1985
			DE 3466090 D1	15-10-1987
			EP 0129901 A2	02-01-1985
			JP 60046550 A	13-03-1985
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